This Raw Listing contains the General Information Section and up to first 5 pages.

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 1    <110> APPLICANT: Murphy, Gerald P.
 2          Boynton, Alton L.
 3          Sehgal, Anil
 4    <120> TITLE OF INVENTION: Nr-CAM GENE, NUCLEIC ACIDS AND NUCLEIC ACID PRODUCTS
 5          FOR THERAPEUTIC AND DIAGNOSTIC USES FOR TUMORS
 6    <130> FILE REFERENCE: 8511-021
 7    <140> CURRENT APPLICATION NUMBER: US/09/301,380
 8    <141> CURRENT FILING DATE: 1999-04-27
 9    <150> EARLIER APPLICATION NUMBER: 60/112,098
10    <151> EARLIER FILING DATE: 1998-12-14
11    <150> EARLIER APPLICATION NUMBER: 60/083,152
12    <151> EARLIER FILING DATE: 1998-04-27
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14    <170> SOFTWARE: PatentIn Ver. 2.0
15    <210> SEQ ID NO 1
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25          cttaaaata atg ccg aaa aag aag cgc tta tct gcg ggc aga gtg ccc ctg 171
26                    Met Pro Lys Lys Lys Arg Leu Ser Ala Gly Arg Val Pro Leu
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29          Ile Leu Phe Leu Cys Gln Met Ile Ser Ala Leu Glu Val Pro Leu Asp
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31          cca aaa ctt ctt gaa gac ttg gta cag cct cca acc atc acc caa cag    267
32          Pro Lys Leu Leu Glu Asp Leu Val Gln Pro Pro Thr Ile Thr Gln Gln
33                          35                  40                  45
34          tct cca aaa gat tac att att gac cct cgg gag aat att gta atc cag    315
35          Ser Pro Lys Asp Tyr Ile Ile Asp Pro Arg Glu Asn Ile Val Ile Gln
36                      50                  55                  60
37          tgt gaa gcc aaa ggg aaa ccg ccc cca agc ttt tcc tgg acc cgt aat    363
38          Cys Glu Ala Lys Gly Lys Pro Pro Pro Ser Phe Ser Trp Thr Arg Asn
39                      65                  70                  75
40          ggg act cat ttt gac atc gat aaa gac cct ctg gtc acc atg aag cct    411
41          Gly Thr His Phe Asp Ile Asp Lys Asp Pro Leu Val Thr Met Lys Pro
42                      80                  85                  90
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44          Gly Thr Gly Thr Leu Ile Ile Asn Ile Met Ser Glu Gly Lys Ala Glu
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51                     130                   135                   140
52       acc aaa gaa aaa ctt gaa cca atc aca ctt caa agt ggt cag tct tta   603
53       Thr Lys Glu Lys Leu Glu Pro Ile Thr Leu Gln Ser Gly Gln Ser Leu
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55       gta ctt ccc tgc aga ccc cca att gga tta cca cca cct ata ata ttt   651
56       Val Leu Pro Cys Arg Pro Pro Ile Gly Leu Pro Pro Pro Ile Ile Phe
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58       tgg atg gat aat tcc ttt caa aga ctt cca caa agt gag aga gtt tct   699
59       Trp Met Asp Asn Ser Phe Gln Arg Leu Pro Gln Ser Glu Arg Val Ser
60       175                   180                   185                   190
61       caa ggt ttg aat ggg gac ctt tat ttt tcc aat gtc ctc cca gag gac   747
62       Gln Gly Leu Asn Gly Asp Leu Tyr Phe Ser Asn Val Leu Pro Glu Asp
63                     195                   200                   205
64       acc cgc gaa gac tat atc tgt tat gct aga ttt aat cat act caa acc   795
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67       ata cag cag aag caa cct att tct gtg aag gtg att tca gtg gat gaa   843
68       Ile Gln Gln Lys Gln Pro Ile Ser Val Lys Val Ile Ser Val Asp Glu
69                     225                   230                   235
70       ttg aat gac act ata gct gct aat ttg agt gac act gag ttt tat ggt   891
71       Leu Asn Asp Thr Ile Ala Ala Asn Leu Ser Asp Thr Glu Phe Tyr Gly
72              240                   245                   250
73       gct aaa tca agt aga gag agg cca cca aca ttt tta act cca gaa ggc   939
74       Ala Lys Ser Ser Arg Glu Arg Pro Pro Thr Phe Leu Thr Pro Glu Gly
75       255                   260                   265                   270
76       aat gca agt aac aaa gag gaa tta aga gga aat gtg ctt tca ctg gag   987
77       Asn Ala Ser Asn Lys Glu Glu Leu Arg Gly Asn Val Leu Ser Leu Glu
78                     275                   280                   285
79       tgc att gca gaa gga ctg cct acc cca att att tac tgg gca aag gaa   1035
80       Cys Ile Ala Glu Gly Leu Pro Thr Pro Ile Ile Tyr Trp Ala Lys Glu
81                     290                   295                   300
82       gat gga atg cta ccc aaa aac agg aca gtt tat aag aac ttt gag aaa   1083
83       Asp Gly Met Leu Pro Lys Asn Arg Thr Val Tyr Lys Asn Phe Glu Lys
84                     305                   310                   315
85       acc ttg cag atc att cat gtt tca gaa gca gac tct gga aat tac caa   1131
86       Thr Leu Gln Ile Ile His Val Ser Glu Ala Asp Ser Gly Asn Tyr Gln
87              320                   325                   330
88       tgt ata gca aaa aat gca tta gga gcc atc cac cat acc att tct gtt   1179
89       Cys Ile Ala Lys Asn Ala Leu Gly Ala Ile His His Thr Ile Ser Val
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91       aga gtt aaa gcg gct cca tac tgg atc aca gcc cct caa aat ctt gtg   1227
92       Arg Val Lys Ala Ala Pro Tyr Trp Ile Thr Ala Pro Gln Asn Leu Val
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94       ctg tcc cca gga gag gat ggg acc ttg atc tgc aga gct aat ggc aac   1275
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 95      Leu Ser Pro Gly Glu Asp Gly Thr Leu Ile Cys Arg Ala Asn Gly Asn
 96                  370             375             380
 97      ccc aaa ccc aga att agc tgg tta aca aat gga gtc cca ata gaa att    1323
 98      Pro Lys Pro Arg Ile Ser Trp Leu Thr Asn Gly Val Pro Ile Glu Ile
 99                  385             390             395
100      gcc cct gat gac ccc agc aga aaa ata gat ggc gat acc att att ttt    1371
101      Ala Pro Asp Asp Pro Ser Arg Lys Ile Asp Gly Asp Thr Ile Ile Phe
102                  400             405                 410
103      tca aat gtt caa gaa aga tca agt gca gta tat cag tgc aat gcc tct    1419
104      Ser Asn Val Gln Glu Arg Ser Ser Ala Val Tyr Gln Cys Asn Ala Ser
105          415             420             425                 430
106      aat gaa tat gga tat tta ctg gca aac gca ttt gta aat gtg ctg gct    1467
107      Asn Glu Tyr Gly Tyr Leu Leu Ala Asn Ala Phe Val Asn Val Leu Ala
108                  435             440             445
109      gag cca cca cga atc ctc aca cct gca aac aca ctc tac cag gtc att    1515
110      Glu Pro Pro Arg Ile Leu Thr Pro Ala Asn Thr Leu Tyr Gln Val Ile
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112      gca aac agg cct gct tta cta gac tgt gcc ttc ttt ggg tct cct ctc    1563
113      Ala Asn Arg Pro Ala Leu Leu Asp Cys Ala Phe Phe Gly Ser Pro Leu
114                  465             470             475
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119      Asp Ile Tyr Val Leu His Glu Asn Gly Thr Leu Glu Ile Lys Asp Ala
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121      aca tgg atc gtt aaa gaa att cct gtg gcc caa aag gac agt aca gga    1707
122      Thr Trp Ile Val Lys Glu Ile Pro Val Ala Gln Lys Asp Ser Thr Gly
123                  515             520             525
124      act tat acg tgt gtt gca agg aat aaa tta ggg atg gca aag aat gaa    1755
125      Thr Tyr Thr Cys Val Ala Arg Asn Lys Leu Gly Met Ala Lys Asn Glu
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127      gtt cac tta cag ccc gaa tat gca gtt gtg caa aga ggg agc atg gtg    1803
128      Val His Leu Gln Pro Glu Tyr Ala Val Val Gln Arg Gly Ser Met Val
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130      tcc ttt gaa tgc aaa gtg aaa cat gat cac acc tta tcc ctc act gtc    1851
131      Ser Phe Glu Cys Lys Val Lys His Asp His Thr Leu Ser Leu Thr Val
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133      ctg tgg ctg aag gac aac agg gaa ctg ccc agt gat gaa agg ttc act    1899
134      Leu Trp Leu Lys Asp Asn Arg Glu Leu Pro Ser Asp Glu Arg Phe Thr
135          575             580             585                 590
136      gtt gac aag gat cat cta gtg gta gct gat gtc agt gac gat gac agc    1947
137      Val Asp Lys Asp His Leu Val Val Ala Asp Val Ser Asp Asp Asp Ser
138                  595             600             605
139      ggg acc tac acg tgt gtg gcc aac acc act ctg gac agc gtc tcc gcc    1995
140      Gly Thr Tyr Thr Cys Val Ala Asn Thr Thr Leu Asp Ser Val Ser Ala
141                  610             615             620
142      agc gct gtg ctt agc gtt gtt gct cct act cca act cca gct ccc gtt    2043
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144                  625             630             635
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145        tac gat gtc cca aat cct ccc ttt gac tta gaa ctg aca gat caa ctt     2091
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148        gac aaa agt gtt cag ctg tca tgg acc cca ggc gat gac aac aat agc     2139
149        Asp Lys Ser Val Gln Leu Ser Trp Thr Pro Gly Asp Asp Asn Asn Ser
150        655             660             665             670
151        ccc att aca aaa ttc atc atc gaa tat gaa gat gca atg cac aag cca     2187
152        Pro Ile Thr Lys Phe Ile Ile Glu Tyr Glu Asp Ala Met His Lys Pro
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158        Gln Leu Lys Leu Ser Pro Tyr Val Asn Tyr Ser Phe Arg Val Met Ala
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161        Val Asn Ser Ile Gly Lys Ser Leu Pro Ser Glu Ala Ser Glu Gln Tyr
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163        ttg acg aaa gcc tca gaa cca gat aaa aac ccc aca gct gtg gaa gga     2379
164        Leu Thr Lys Ala Ser Glu Pro Asp Lys Asn Pro Thr Ala Val Glu Gly
165        735             740             745             750
166        ctg gga tca gag cct gat aat ttg gag att acg tgg aag ccc ttg aat     2427
167        Leu Gly Ser Glu Pro Asp Asn Leu Glu Ile Thr Trp Lys Pro Leu Asn
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169        ggt ttc gaa tct aat ggg cca ggc ctt cag tac aaa gtt agc tgg cgc     2475
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171            770             775             780
172        cag aaa gat ggt gat gat gaa tgg aca tct gtg gtt gtg gca aat gta     2523
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175        tcc aaa tat att gtc tca ggc acg cca acc ttt gtt cca tac ctg atc     2571
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177        800             805             810
178        aaa gtt cag gcc ctg aat gac atg ggg ttt gcc ccc gag cca gct gta     2619
179        Lys Val Gln Ala Leu Asn Asp Met Gly Phe Ala Pro Glu Pro Ala Val
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181        gtc atg gga cat tct gga gaa gac ctc cca atg gtg gct cct ggg aac     2667
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187        cca gta cct ctg aaa agc atc cga gga cac cta caa ggc tat cgg att     2763
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191        Tyr Tyr Trp Lys Thr Gln Ser Ser Ser Lys Arg Asn Arg Arg His Ile
192            880             885             890
193        gag aaa aag atc ctc acc ttc caa ggc agc aag act cat ggc atg ttg     2859
194        Glu Lys Lys Ile Leu Thr Phe Gln Gly Ser Lys Thr His Gly Met Leu
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202           cca gaa gga gtc ccc agt gct ccc tcg tct ttg aag att gtg aat cca   3003
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211           cat gaa tta ggc cct ctg gta gat ttg aaa att cct gcc aac aag aca   3147
212           His Glu Leu Gly Pro Leu Val Asp Leu Lys Ile Pro Ala Asn Lys Thr
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214           cgg tgg act tta aaa aat tta aat ttc agc act cga tat aag ttt tat   3195
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225           1055             1060             1065             1070
226           gca gct gct gag acc tat gcc aat atc agt tgg gaa tat gag gga cca   3387
227           Ala Ala Ala Glu Thr Tyr Ala Asn Ile Ser Trp Glu Tyr Glu Gly Pro
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233           Glu Trp Arg Lys Glu Ile Val Asn Gly Ser Arg Ser Phe Phe Gly Leu
234                          1105             1110             1115
235           aag ggt cta atg cca gga aca gca tac aaa gtt cga gtt ggt gct gtg   3531
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237           1120             1125             1130
238           ggg gac tct ggt ttt gtg agt tca gag gat gtg ttt gag aca ggc cca   3579
239           Gly Asp Ser Gly Phe Val Ser Ser Glu Asp Val Phe Glu Thr Gly Pro
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241           gcg atg gca agc cgg cag gtg gat att gca act cag ggc tgg ttc att   3627
242           Ala Met Ala Ser Arg Gln Val Asp Ile Ala Thr Gln Gly Trp Phe Ile
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VERIFICATION SUMMARY
PATENT APPLICATION **US/09/301,380**

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